

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S51	4	("20010025962" "20020163079").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/03 22:39
S52	6	("20020163079"   "20030179559"   "20030211724"   "20040152240"   "20050026411"   "20050048697").PN. OR ("7135773").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 09:10
S53	5	("2003/0211724").URPN.	USPAT	OR	ON	2007/08/04 09:23
S55	4	("20030211724"   "20050064185"   "20050167655"   "6897098").PN. OR ("7230286").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 09:25
S54	1	("20030211724").PN. OR ("6903365").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 09:25
S56	9	("2005/0064185").URPN.	USPAT	OR	ON	2007/08/04 09:26
S57	18	("20020001905"   "20030132461"   "20030168683"   "20030170930"   "20030178617"   "20030205457"   "20040137730"   "20050064185"   "20050106846"   "20050129948"   "20050167655"   "20050167740"   "20050167755"   "20050179029"   "6250984"   "6423583"   "6515325"   "6858891").PN. OR ("7038299").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 09:27
S58	26	("20010009693"   "20010024633"   "20020172767"   "20020197752"   "20030064169"   "20040137730"   "20050064185"   "5780101"   "5965267"   "6156256"   "6283812"   "6303094"   "6325909"   "6350488"   "6361861"   "6383923"   "6407922"   "6420293"   "6440761"   "6445006"   "6495258"   "6528020"   "6531828"   "6628053"   "6737939"   "6741019").PN. OR ("7118941").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 09:35

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S59	42	("5773921"   "5853877"   "5855828"   "5909585"   "5948465"   "5973444"   "6097138"   "6221154"   "6239547"   "6248248"   "6250984"   "6299812"   "6315956").PN. OR ("6440761").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 09:52
S60	5	("20020130407" "20020163079").PN. ("20030117770" "5926370" "6452274").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 10:02
S61	383859	interconnect\$3 same (plug hole via opening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 10:03
S63	9373	S62 same (metal\$3 conduct\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 10:04
S67	11	S65 and S66	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 10:05
S66	11049	((257/758,762,773,774,E23.145, E23.165) or (977/742)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/04 10:05
S65	119	S64 and (dual near damascene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 10:05

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S64	885	S61 and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 10:05
S62	17323	carbon near (nanotube nano-tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 10:08
S69	315	S68 and S66	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 11:49
S70	10	("20040152240").PN. ("20030179559" "20030211724" "20050026411" "20050048697").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 11:54
S72	2	"6852431".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 11:59
S71	11	("6764874" "6062931" "6514113" "6515339" "6528020").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 11:59
S73	11	("20010023986"   "20020158342"   "20020167375"   "20030179559"   "6040248"   "6297063"   "6314019"   "6340822"   "6465813"   "6515339"   "6566704").PN. OR ("7084507").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 12:02
S74	5	("6062931"   "6514113"   "6515339"   "6528020"   "6764874").PN. OR ("7094692").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 12:04

## EAST Search History

S75	6	("6038060"   "6258401"   "6669256"   "6700550"   "6802549"   "6805390").PN. OR ("7099071").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 12:07
S78	13153	S68 not S77	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 12:14
S77	327	S69 S70 S71 S72 S73 S74 S75 S76 S67	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 12:14
S76	6	("20020163079"   "20030179559"   "20030211724"   "20040152240"   "20050026411"   "20050048697").PN. OR ("7135773").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/04 12:14
S68	16936	(nano (nanotube nanowire nanomaterial nanoparticle)) same (via hole interconnect\$3 connect\$3 plug opening recess\$2 trench\$2 cavit\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 12:14
S80	6715	S79 not S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 12:15
S79	6945	(nano (nanotube nanowire nanomaterial nanoparticle)) same (via hole interconnect\$3 connect\$3 plug opening recess\$2 trench\$2 cavit\$3) same (metal\$3 conduct\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 12:15
S83	2	"6599808".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 12:30
S82	23	S80 and (977/734,742.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 12:30

## EAST Search History

S81	1398	S80 and "257"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 12:58
S84	2	jp-2002329723-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 12:59
S85	30	(US-20020163079-\$ or US-20010025962-\$ or US-20030211724-\$ or US-20030179559-\$ or US-20060091557-\$ or US-20020167375-\$ or US-20020197752-\$ or US-20030001274-\$ or US-20030001150-\$).did. or (US-6811457-\$ or US-6664727-\$ or US-6514113-\$ or US-6383923-\$ or US-6979947-\$ or US-6803708-\$ or US-6440761-\$ or US-7084507-\$ or US-6359288-\$ or US-6649824-\$ or US-6852920-\$ or US-6856016-\$ or US-6919119-\$ or US-7179988-\$). did. or (JP-2001283716-\$ or JP-11139815-\$ or JP-2002329723-\$).did. or (US-20020163079-\$ or US-20010025962-\$ or US-7084507-\$ or US-20020163079-\$ or JP-11139815-\$ or US-20040036400-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/04 14:17
S89	1	2002-375781.NRAN.	DERWENT	OR	ON	2007/08/04 14:34
S88	2	jp-2002026300-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/04 14:34
S87	0	jp-200226300-\$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/04 14:34
S86	25	S85 and (nanotube\$1 (nano near tube\$1))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/04 14:34

## EAST Search History

L6	380	L4 and L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 12:04
L5	11049	((257/758,762,773,774,E23.145, E23.165) or (977/742)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 12:04
L4	3841	L3 and "257"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 12:04
L7	6320	(tantalum near nitride) with (metal\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 12:07
L3	5836	(tantalum near nitride) with (conduct\$4 insulat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 12:07
L11	1224	L10 and L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 12:27
L10	12859	tungsten with barrier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 12:27

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L8	511	L7 and L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 12:27
L12	30	(US-20030211724-\$ or US-20030179559-\$ or US-20020163079-\$ or US-20020197752-\$ or US-20060091557-\$ or US-20020167375-\$ or US-20030001274-\$ or US-20030001150-\$ or US-20010025962-\$).did. or (US-6440761-\$ or US-6383923-\$ or US-7084507-\$ or US-6664727-\$ or US-6811457-\$ or US-6514113-\$ or US-7179988-\$ or US-6919119-\$ or US-6856016-\$ or US-6852920-\$ or US-6649824-\$ or US-6359288-\$ or US-6979947-\$ or US-6803708-\$). did. or (JP-2002329723-\$ or JP-2001283716-\$ or JP-11139815-\$).did. or (JP-11139815-\$ or US-20040036400-\$ or US-7084507-\$ or US-20010025962-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:07
L13	15	L12 and (barrier diffus\$3)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:25
L15	1282	L14 and L5	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:26
L16	0	(tungsten (silicide with (cobalt nickel titanium))) with (barrier and ohmis).	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:33
L14	13577	(tungsten (silicide with (cobalt nickel titanium))) with barrier	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:33
L18	32	L17 and L5	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:35

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L20	39	L19 and L5	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:36
L17	390	(tungsten (silicide with (cobalt nickel titanium))) with (barrier and ohmic)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:36
L19	413	((tungsten (silicide with (cobalt nickel titanium))) with barrier) same ohmic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:37
L22	23	L21 and L5	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:38
L24	22	L23 and L5	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:43
L21	268	((tungsten (silicide with (cobalt nickel titanium))) with barrier) same (barrier with ohmic)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:43
L23	219	(tungsten with barrier) same (barrier with ohmic)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:46
L25	1218	(tungsten with barrier) and I5	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:52
L27	466	L26 and L5	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:53
L29	154	L28 and L5	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:54
L28	2179	((cobalt nickel titanium) with (silicide salicide)) with barrier	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:54
L26	6086	((cobalt nickel titanium) with (silicon silicide salicide)) with barrier	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/05 13:54
L30	1	2004-280157.NRAN.	DERWENT	OR	ON	2007/08/05 14:41